

# NEWS RELEASE

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*For Immediate Release*

## **Princeton Infrared Technologies Selected by Space Development Agency To Develop Ultra-Broadband High-Definition NIR-MWIR Imager For Hyperspectral Imaging**

**MONMOUTH JUNCTION, NJ – OCTOBER 22, 2024** – Princeton Infrared Technologies, Inc. (PIRT), global experts and innovators in indium gallium arsenide (InGaAs) imaging technology, announces it has been selected by the Space Development Agency (SDA) for a Phase I SBIR contract to advance a pioneering imaging technology aimed at significantly enhancing hyperspectral imaging capabilities. This project will focus on developing an ultra-broadband high-definition imager capable of detecting a wide spectrum of wavelengths, ranging from near infrared (NIR) to mid-wave infrared (MWIR).

Unlike conventional mesa-based detectors, which require complex passivation and have less than 100% fill factor, the planar-based technology offers enhanced efficiency and reduced complexity with better long-term reliability and operation at higher temperatures than today's imagers. The anticipated benefits of this technology extends across both Department of Defense (DoD) and commercial sectors.

Martin Ettenberg, President & CEO of Princeton Infrared Technologies, notes, "This groundbreaking initiative represents a significant leap forward in imaging technology. By developing a single imager that spans from NIR to MWIR, we are not only expanding the capabilities of hyperspectral imaging but also addressing critical needs in both defense and commercial sectors. This will open new avenues for various applications that require a smaller, lower power and lower cost imager. We are excited about the potential impact of this technology and look forward to the advancements it will bring."

**About Princeton Infrared Technologies, Inc.**

Specialists in indium gallium arsenide (InGaAs) imaging technology, Princeton Infrared Technologies, Inc. focuses on design and manufacture of both shortwave infrared cameras, and one- and two-dimensional imaging arrays. All products are created in the company's fabless environment under strict testing and quality control guidelines, providing innovative and cost-effective detectors that image in the visible, near- and shortwave-infrared wavelengths. Application areas include spectroscopy for sorting materials, moisture detection, thermal imaging, night vision, and laser imaging for military, industrial, and commercial markets.

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